

In the claims:

Please rewrite claim 1 as follows:

1. (Currently amended) An apparatus for producing a sample of mainly finely ~~drained~~ grained and dry material for defining the residual carbon content thereof ~~by defining as a function of~~ a change in at least one electrical parameter, comprising:

a measuring chamber;

a screw conveyor connected to the measuring chamber and comprising a rotatable feed screw;

means for rotating the feed screw at a predetermined torque for feeding the material to the measuring chamber ~~and for compacting the material~~ compaction therein; and

means responsive to an abrupt increase in the torque for stopping rotation of the feed screw.

Cancel claims 4 and 5.

### Remarks

None of the changes to the specification and claims introduces new matter into Applicants' original disclosure.

However, the changes to the claims are thought to satisfy the statutory mandate of 35 U.S.C. §112, second paragraph by particularly pointing out and distinctly claiming the subject matter which applicants regard as their invention and patentably to distinguish this invention from the disclosures of the references cited by the Examiner under 35 U.S.C. §102 and §103.

Applicants' invention relates to providing samples from mainly pulverized or grainy dry material, to wit fly and/or filter ash, by compacting the material in a reproducible but hitherto unknown manner with an auger until an abrupt increase